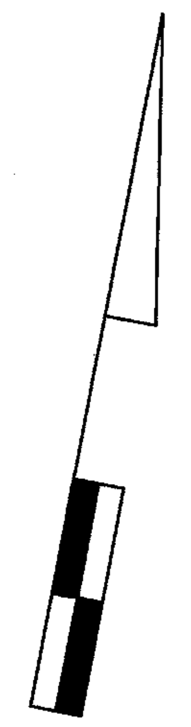
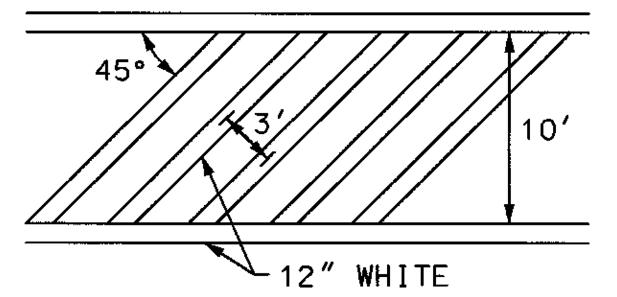
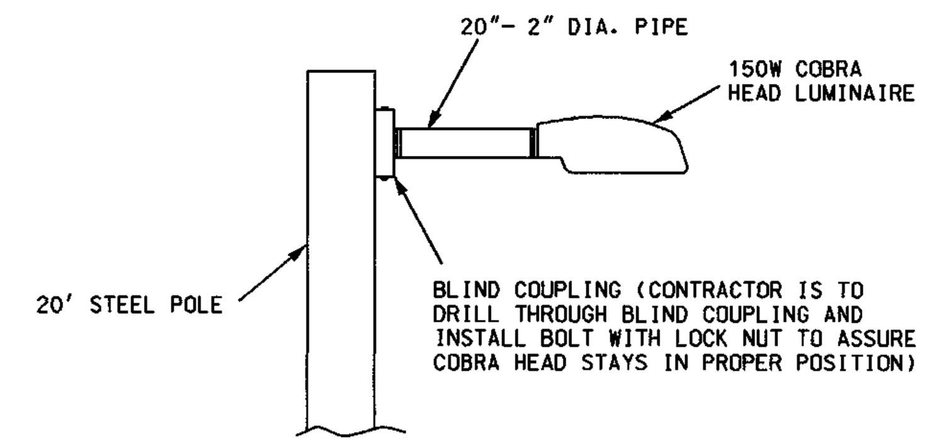


MD 320 IS CONSIDERED TO RUN IN AN EAST-WEST DIRECTION

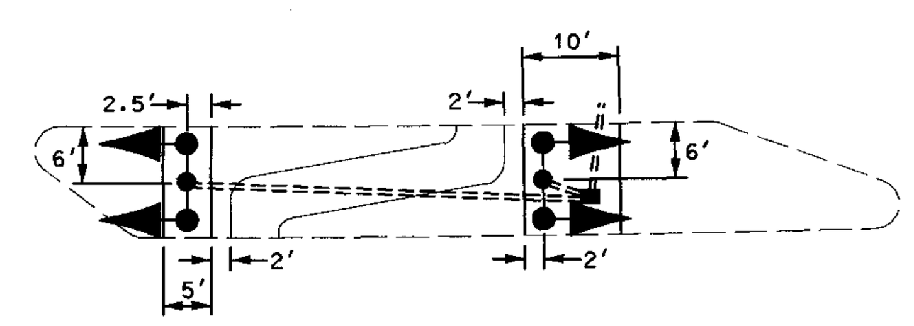
CROSSWALK DIMENSION TYPICAL



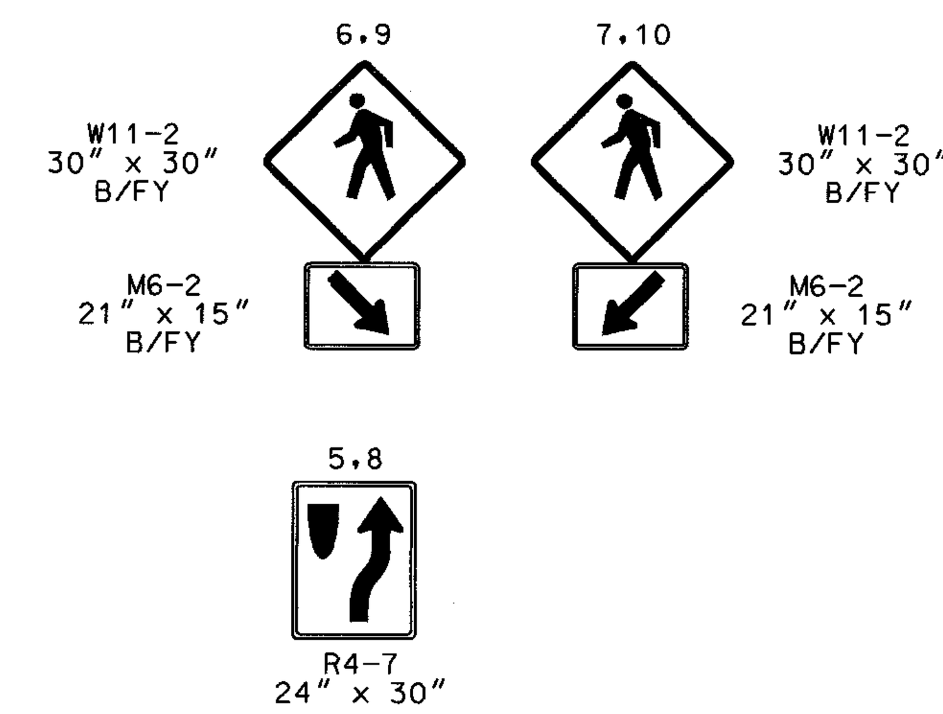
LUMINAIRE INSTALLATION TYPICAL



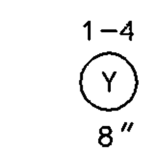
ISLAND/EQUIPMENT DETAIL



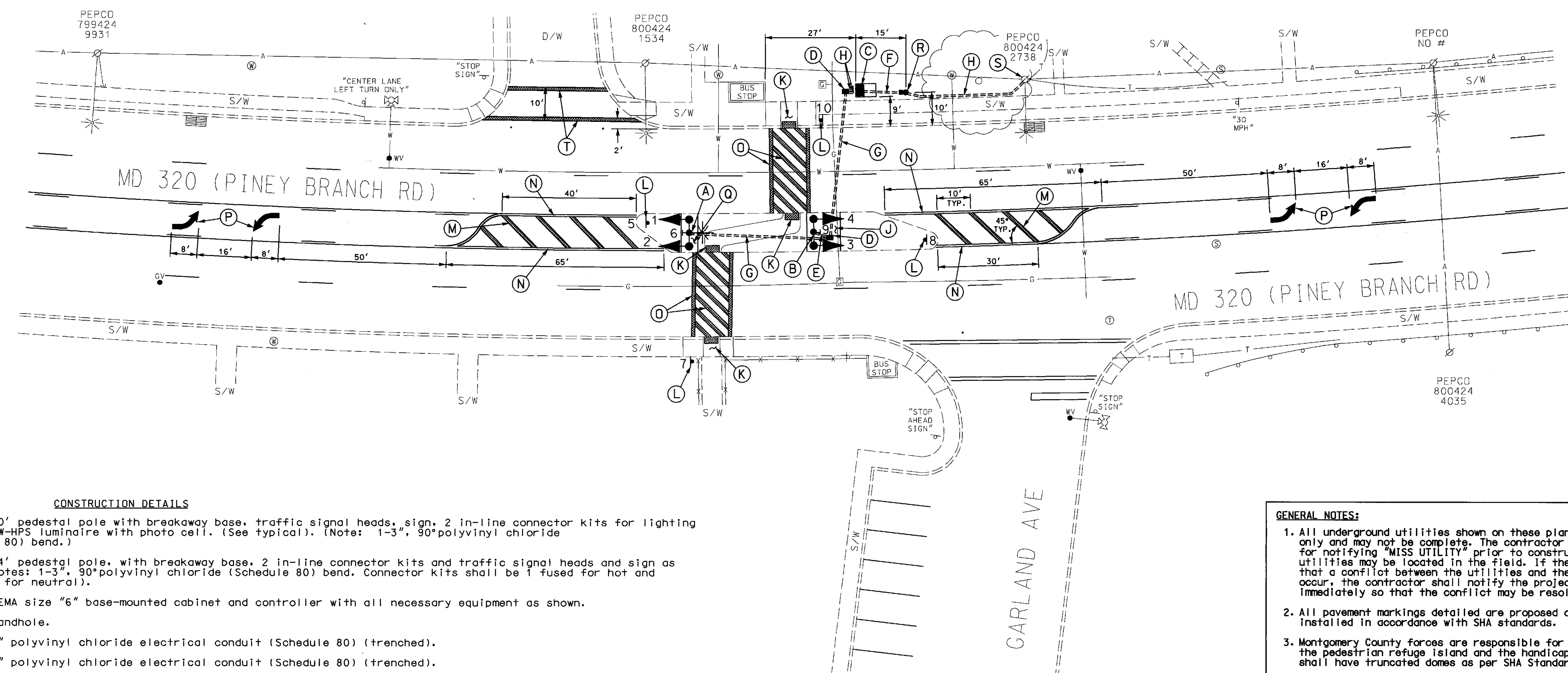
PROPOSED SIGNS



PROPOSED SIGNALS



THE SIGNALS SHALL FLASH CONTINUOUSLY 24 HOURS A DAY, 7 DAYS A WEEK



CONSTRUCTION DETAILS

A. Install 20' pedestal pole with breakaway base, traffic signal heads, sign, 2 in-line connector kits for lighting and a 150W-HPS luminaire with photo cell. (See typical). (Note: 1-3", 90°polyvinyl chloride (Schedule 80) bend.)

B. Install 14' pedestal pole, with breakaway base, 2 in-line connector kits and traffic signal heads and sign as shown. (Notes: 1-3", 90°polyvinyl chloride (Schedule 80) bend. Connector kits shall be 1 fused for hot and 1 unfused for neutral).

C. Install NEMA size "6" base-mounted cabinet and controller with all necessary equipment as shown.

D. Install handhole.

E. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

F. Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

G. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (bored).

H. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).

J. Remove 10' wide section of pedestrian refuge island and replace after the installation of the signal equipment.

K. Install truncated domes on existing handicapped ramps.

L. Install ground mounted sign as shown.

M. Install 12" yellow, heat applied permanent preformed thermoplastic pavement marking.(crosshatching)

N. Remove existing pavement markings and install 5" double yellow, heat applied permanent preformed thermoplastic pavement markings as dimensioned.

O. Install 12" white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk/crosshatch) (Note: Remove existing pavement markings as necessary. Crosswalk is to be centered on handicapped ramp)

P. Install proposed pavement marking arrow (left).

Q. Remove 5' wide section of pedestrian refuge island and replace after the installation of the signal equipment.

R. Install metered service pedestal with 1-60 A 2 P main breaker, 1-30 A 1 P breaker and 1-20 A 1P breaker for electrical service.

S. Install polyvinyl chloride elbow at base of utility pole and coil 30' of service cable (1-conductor No. 8 AWG).

T. Install 12" white, heat applied permanent preformed thermoplastic pavement marking. (crosswalk)

GENERAL NOTES:

1. All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
2. All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
3. Montgomery County forces are responsible for the installation of the pedestrian refuge island and the handicapped ramps. All ramps shall have truncated domes as per SHA Standards.
4. All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections, Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.

GEOMETRIC LEGEND	
PROPOSED	————
EXISTING	– – – –

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES	
AERIAL CABLE	—A—A—
ELECTRIC	—E—E—
TELEPHONE	—T—T—
GAS	—G—G—
SEWER	—S—S—
WATER	—W—W—
CABLE TV	—TV—TV—

STREET TRAFFIC STUDIES, LTD.
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Glen Burnie,MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

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REVISIONS

APPROVALS
[signature] 5-20-04 TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
[signature] 5/21/04 ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
[signature] 5/25/04 CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
[signature] 5/27 DIRECTOR, TRAFFIC & SAFETY

SHA #: MO334A0016006 JOD #: AT3057-33

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 320 (PINEY BRANCH RD) AND GARLAND AVE

DRAWN BY:	W J NIES	F.A.P. NO.		TS NO. 4315	SHEET NO. 1 OF 2
CHECKED BY:	R ZACHERL CBS	S.H.A. NO.	AT3575185		
SCALE:	1"= 20'	COUNTY:	MONTGOMERY	T.I.M.S. NO. G161	
DATE:	5-17-04	LOG MILE:	15032001.90		

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